

Aero Design

Parts Distribution Sheet

Description: Basket Assembly Kit

WO# 2014-43

[illegible]

2014-43

CARGO BASKET ASSEMBLY - COMMON

General

These instructions apply to all cargo basket assemblies. Refer to the following drawings, at the current revision, for dimensions and details:

Bell 206L/407 – Right side only

69810, Revision 3 – Standard Low Mounted Basket

94510, Revision 0 – Extra-Wide Low Mounted Basket

94610, Revision 0 – Extra-Wide Low Mounted Ski Basket

76610, Revision 0 – High Mounted Ski Basket

Eurocopter AS350/AS355 – left or right

77610, Revision 1 – Short Basket

76410, Revision 3 – Medium Basket (left or right)

78410, Revision 2 – Long Basket

94010, Revision 0 – Extra Large (ski) Basket

Robinson R44 – left or right

90610, Revision 0 – Standard Basket (left or right)

Bell 206B – right side only

80210, Revision 0 – Short Basket

80310, Revision 0 – Medium Basket

81110, Revision 0 – Long Basket

Bell 429 – right or left

95911, Revision 0 – Standard Basket

Bell Medium – left or right

75111, Revision 0 – Standard Basket

95511, Revision 0 – Extra Large (ski) Basket

MD600

82811, Revision 0 – Standard Basket

Options

70405, Revision 3? – Lid Walkway

CARGO BASKET ASSEMBLY - COMMON

Complete
(initial or SCA #)

Work Order: 2014-43

Date Open: 2 Jun 14

OK

1. Lid Assembly

- a. Install lid bumpers on bottom.
 - i. Fill bumper holes with RTV silicone sealant.
 - ii. Insert 49205-14 lid bumper, 3 or 4 places per lid.
- b. Install placard on bracket on top of lid.
 - i. Locate placard on bracket.
 - ii. Drill #30 through placard and bracket, using holes in placard.
 - iii. Remove placard and de-burr holes in placard and on bracket.
 - iv. Locate placard on bracket, and cleco in place.
 - v. Rivet placard with four CR3213-4-02 CherryMax rivets.
- c. Option: Install walkway on top of lid (lid must be fitted with walkway provisions)
 - i. Note: avoid touching surface of tread plate with bare hands to prevent smudges or marks on the top surface.
 - ii. Pull tread plate from stock. Shear tread plate to length.
 - iii. De-burr edges of tread plate with scotch-brite disc on die-grinder.
 - iv. Locate tread plate on lid. Hold tread plate in place with bags of lead shot.
 - v. Mark and drill #30 holes:
 1. 0.25" from edge of tread plate, centre on cross members (0.38")
 2. 0.25" from edge of tread plate, middle of each walkway stringer
 - vi. De-burr and counter-bore (if required to provide clearance of rivet head on checker pattern) all holes in tread plate using 1/4" piloted counter bore on both sides.
 - vii. De-burr holes in lid tubes.
 - viii. Apply bead of RTV silicone sealant along all tubes under tread plate.
 - ix. Set tread plate in place, secure with clecos if necessary.
 - x. Rivet placard with CR3213-4-02 CherryMax rivets
- d. Record PO/WO of all parts (including lid) used in steps above on attached material tracking list.

OK

2. Body Assembly

- a. Install attachment fittings
 - i. Carefully remove excess powder coat from around attachment lug threads using a countersink.
 - ii. Run 3/8-24 tap into attachment lugs to clear threads.
 - iii. Apply anti-seize compound to attachment fittings 96710-01 (alternate: Ancra 40088-14)
 - iv. Install attachment fittings with two NAS1149F0363P washers in four lugs in basket.
 1. 90610 (Robinson R44) basket only:
 - a. Install 1 fitting 906?? in lower forward attachment lug only.
 - b. Install 3 96710-01 fittings in remaining locations.
 - v. Torque to ??

- b. 946 Basket Only: Install Cutout Brace – *must be completed after hinge installation*
 - i. Locate 94621-01 Brace over aft cross tube cutout
 - ii. Install two AN4-6A bolts and two AN4-30A bolts with NAS1149F0463P washers.
 - iii. Torque AN4 bolts to ??
- c. Record PO/WO of all parts (including basket) used in steps above on attached material tracking list.

3. Hinge Installation

- a. Prepare hinge.
 - i. Cut hinge to length:
 - 1. 776, 906 – 54"
 - 2. 751, 803 – 70"
 - 3. 698, 764, 945 – 72"
 - 4. 784 – 90"
 - 5. 940, 946, 959 – 95"
 - ii. Drill #30 pilot holes using hinge jig. For long hinges, flip at specified location on jig.
- b. Install hinge on basket
 - i. Locate hinge on basket (standard baskets)
 - 1. centre fore/aft
 - 2. 0.15" – 0.18" up from bottom edge
 - ii. Locate hinge on basket (extra wide baskets)
 - 1. centre fore/aft
 - 2. set hinge at 90 degrees (as if lid would be installed) using a small square, locate vertical side at 22.5" from outboard edge.
 - iii. Drill #30 through holes in hinge into basket rim. Cleco in place with 1/8 (copper) clecos.
 - iv. Drill holes up to #21 through hinge and rim. Replace 1/8 clecos with 5/32 (black) clecos.
 - v. Remove hinge and de-burr holes in hinge and basket rim.
 - vi. Cleco hinge to basket with 5/32 clecos.
 - vii. Install hinge with CherryMax rivets
 - 1. CR3523-5-02 monel rivets – last 2 rivets in each end
 - 2. CR3213-5-02 aluminum rivets – all other locations
- c. Install lid on basket
 - i. Locate lid on hinge (all baskets)
 - 1. center fore/aft
 - 2. 0.15" – 0.18" down from top edge
 - ii. Drill #30 through holes in hinge into lid rim. Cleco in place with 1/8 clecos.
 - iii. Drill holes up to #21 through hinge and rim. Replace 1/8 clecos with 5/32 clecos.
 - iv. Remove hinge and de-burr holes in hinge and lid rim.
 - v. Cleco lid to hinge with 5/32 clecos.
 - vi. Install hinge with CherryMax rivets
 - 1. CR3523-5-02 monel rivets – last 2 rivets in each end
 - 2. CR3213-5-02 aluminum rivets – all other locations

- d. Record PO of hinge and rivets on attached material tracking list.



4. Install Handle

- a. Install handle brackets.
- i. Set 84267-01 handle bracket on provisions in hoops, 2 places.
 - ii. Install AN3-11A bolt, NAS1149F0363P washer (2), MS21044N3 nut. Two places per bracket, two brackets per basket.
 - iii. Torque AN3 bolts to ??.
- b. Install handle
- i. Trim 36278-01R and 36278-01L springs to ensure end of spring does not extend past edge of handle bracket, approximately 1/8". Set springs over bushing of 84261-01 handle assembly.
 - ii. Grease two 36275-01 bushings with ???. Insert into bushings of handle assembly.
 - iii. Locate handle on basket lid. Insert AN3-12A bolt with NAS1149F0363P through bracket on lid and handle bushing on one end of handle.
 - iv. On other end of handle, hook spring over catch rivet on handle assembly and use spring tool to twist spring to catch arm on bracket on lid while inserting AN3-12A bolt with NAS1149F0363P washer through lid bracket and handle bushing.
 - v. At first end, remove bolt and repeat step iv.
 - vi. Install NAS1149F0363P washer and MS21044N3 nut on both AN3-12A bolts.
 - vii. Torque AN3 bolts to ??.
- c. Check handle
- i. Operate handle to ensure handle does not bind and springs hold handle in.
 - ii. Snap handle into brackets to ensure handle locks.
- d. Record PO/WO of all parts used in steps above on attached material tracking list.



5. Install lid brace

- a. Locate 36280-01 lid brace on bushing in basket. Ensure brace is on forward end of basket as it will be installed on the helicopter.
- b. On lid end, insert AN970-3 washer into end of lid brace. Insert AN3-15A bolt with NAS1149F0363P washer through AN970-3 washer, lid prop, and lid bushing. Install NAS1149F0363P washer and MS21044N3 nut on bolt.
- c. On basket end, insert AN3-17A bolt with AN970-3 washer through lid prop and basket bushing. Install NAS1149F0363P washer and MS2144N3 nut on bolt.
- d. Ensure brace is seated on lip of bushings before tightening nuts.
- e. Torque AN3 bolts to ??
- f. Record PO/WO of all parts used in steps above on attached material tracking list.

CARGO BASKET ASSEMBLY - COMMON

Complete
(initial or SCA #)

6. Final Inspection

Dual inspection by a different person than assembled the basket.

- a. Check for general condition and correct assembly:
 - i. Bolts are tight
 - ii. Rivets are installed correctly
 - iii. Handle operates correctly
 - iv. Lid brace operates correctly
- b. Check that PO/WO numbers have been recorded.

K.

Work Order: 204-43

Material Tracking Sheet

1 of 2

Bell 429

Date Opened: _____

Basket Assembly

Ass'y Step	Qty	Detail Drawing	Part Number	Description	Material	PO/WO
			95910-01-	Cargo Basket Assembly	(-01 RH, -02 LH)	
Step 1				<i>Lid Assembly</i>		
Step 1.a.	. 1		95912-01-XX	Basket Lid Assembly		
	. . 4		49205-14	Bumper	Argus Industries Bumper	
	. . A/R		--	Sealant	Commercial Silicone RTV sealant	
	. . 1		95917-XX	Lid Checker Plate	3003 Aluminum Tread Plate, 0.063"	14058
	. . A/R		CR3213-4-02	Cherry Rivet		13026
	. . A/R		--	Sealant	Commercial Silicone RTV sealant	
Step 2				<i>Basket Assembly</i>		
Step 2.a.	. 1		95911-01-XX	Basket Body Assembly		
	. . 4		96710-01	Fitting	Alternate: Ancra 40088-14	
	. . 8		NAS1149F0663P	Washer		
	. . 1		95915-01	Forward Sheet		14059
	. . 1		95916-01	Forward Filler Sheet		14059
	. . 1		95916-02	Aft Filler Sheet		14059
	. . 1		95927-01-XX	Placard	0.063 Sheet, 6061-T6 Aluminum	
	. . A/R		CR3213-4-02	Cherry Rivet		13026
Step 3				<i>Hinge Installation</i>		
	. 1		MS20001P4	Piano Hinge	95"	13089
	. 8		CR3523-5-02	Cherry Rivet		13026
	. A/R		CR3213-5-02	Cherry Rivet		13026
Step 4	. 1		84255-01	<i>Handle Installation</i>		
Step 4.a.	. . 2		84267-01	Bracket	Delrin, 3/4" Sheet	
	. . 4		AN3-11A	Bolt		
	. . 8		NAS1149F0363P	Washer		
	. . 4		MS21044N3	Nut		

Work Order: _____

Material Tracking Sheet

2 of 2

Bell 429

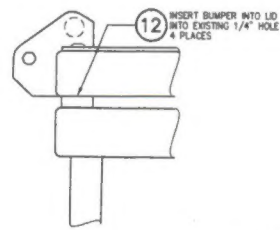
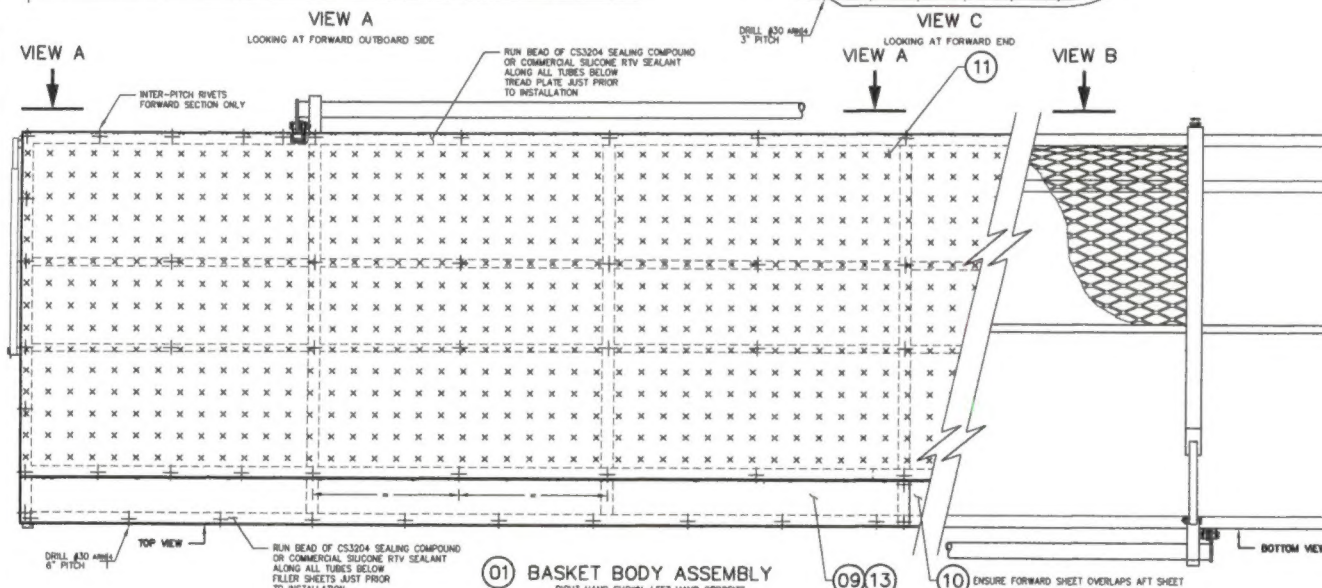
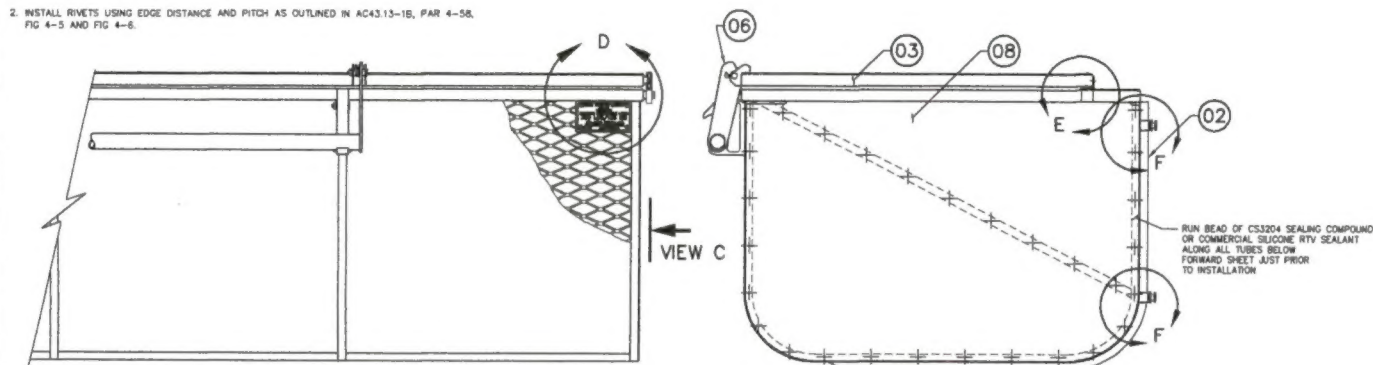
Date Opened: _____

Basket Assembly

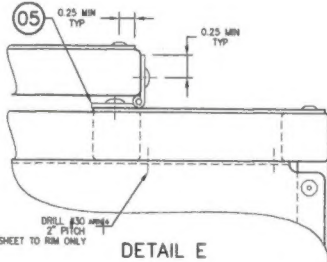
Ass'y Step	Qty	Detail Drawing	Part Number	Description	Material	PO/WO
Step 4.b.	. . 1		84261-01	Handle Assembly		
	. . 2		36278-01	Spring (1 left, 1 right)	304 Stainless, 1/16" Dia Music Wire	
	. . 2		36275-01	Bushing	Brass, 5/16" Dia	
	. . 2		AN3-12A	Bolt		
	. . 4		NAS1149F0363P	Washer		
	. . 2		MS21044N3	Nut		
Step 5				<i>Lid Brace Installation</i>		
	. 1		36280-01	Brace Assembly		14020
	. 1		AN3-15A	Bolt		
	. 1		AN3-17A	Bolt		
	. 2		AN970-3	Washer		
	. 3		NAS1149F0363P	Washer		
	. 2		MS21044N3	Nut		
Step 6				<i>Inspection</i>	None	

NOTES

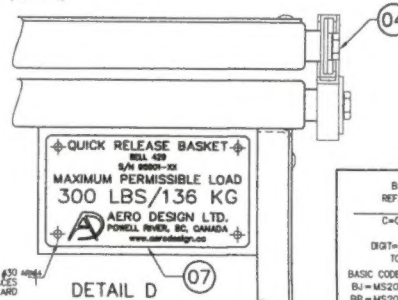
1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
2. INSTALL RIVETS USING EDGE DISTANCE AND PITCH AS OUTLINED IN AC43.13-1B, PAR 4-5B, FIG 4-5 AND FIG 4-6.



BUMPER INSTALLATION
SCALE 1 : 1

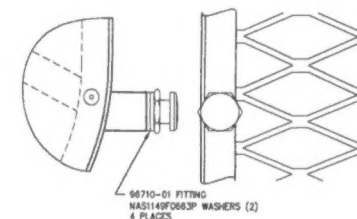
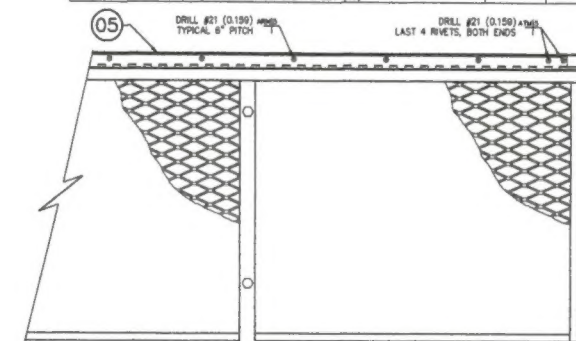


DETAIL E
SCALE 1 : 1
LOOKING AT HINGE



DETAIL D
SCALE 1 : 1
LOOKING AT PLACARD BRACKET

REV	DESCRIPTION OF CHANGE	INITIALS	DATE
0	CREATED FROM 04610, REV. 0		
1	TITLE BLOCK UPDATED; HARDWARE UPDATED; SEALANT CHANGED; ALTERNATE FILLER SHEET (13)	BJC	31/01/2014



A/R/A/R	---	SILICONE SEALANT (CLEAR)	COMMERCIAL
A/R/A/R	CS3204	SEALING COMPOUND	AMS-S-8802C T2 B1/2
8 B	NAS1149F0683P	WASHER	ALT: HR3213-4-02
4 4	95710-01	FITTING	ALT: ANCR4 40088-14
A/R/A/R	CR3213-4-02	CHERRY RIVET	ALT: HR3213-4-02
8 B	CR3213-5-02	CHERRY RIVET	ALT: HR3213-5-02
A/R/A/R	CR3213-5-02	CHERRY RIVET	ALT: HR3213-5-02
4 4	95918-03 13	FILLER SHEET	ALTERNATE TO 09/10
1 1	42203-14 12	BUMPER	ARGUS INDUSTRIES
1 1	95917-02 11	LH LID CHECKER PLATE	
1 1	95918-02 10	AFT FILLER SHEET	
1 1	95918-01 09	FORWARD FILLER SHEET	
1 1	95913-01 08	FORWARD SHEET	
1 1	95927-02 07	LH PLACARD	
1 1	95927-01 07	RH PLACARD	
1 1	84255-01 06	HANDLE BAR INSTALLATION	
1 1	MS20001P4 05	PIANO HINGE	95 LONG
1 1	84240-01 04	LID BRACE INSTALLATION	
1 1	95912-01-02 03	LH LID ASSEMBLY	
1 1	95912-01-01 03	RH LID ASSEMBLY	
1 1	95911-01-02 02	LH BASKET BODY ASSEMBLY	
1 1	95911-01-01 02	RH BASKET BODY ASSEMBLY	
1 1	95910-01-02 01	LH CARGO BASKET ASSEMBLY	
1 1	95910-01-01 01	RH CARGO BASKET ASSEMBLY	
-02 -01	PART NO.	ITEM	DESCRIPTION
QTY QTY			MATERIAL

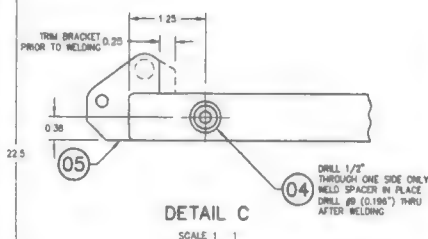
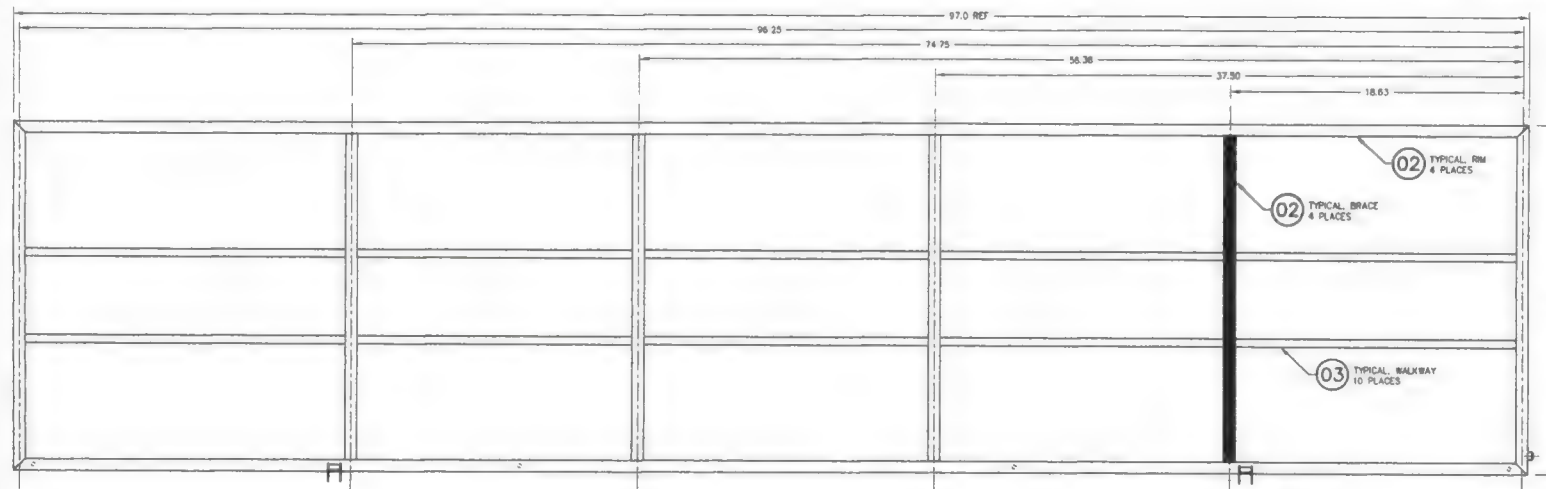
DATE	APPROVALS
11 SEPT 2012	DRAWN: JEFF CLARKE
10 NOV 2012	CHECKED: E. BURGOIN

SCALE	DWG SIZE	DWG NO.	REV
SCALE 1 : 4	A1	95910	1
SHEET 1 OF 1			

BASIC CODE	DASH NO. FOR DIAMETER	APPROVALS
REF. NAS 323	N=MFD. HEAD NEAR SIDE F=MFD. HEAD FAR SIDE	DRAWN: JEFF CLARKE
C-COUNTERSUNK	DASH NO. FOR LENGTH	CHECKED: E. BURGOIN
D=CHMPL		
DIGIT# OF SHEETS		
TO BE DIMPLED		
BASIC CODES:		
B1=MS20470AD	+ INSTALL NEW RIVET	
B2=MS20426AD	+ REMOVE/REPLACE RIVET	
ARM=CR3213	- EXISTING RIVET	
ATN=CR3523		

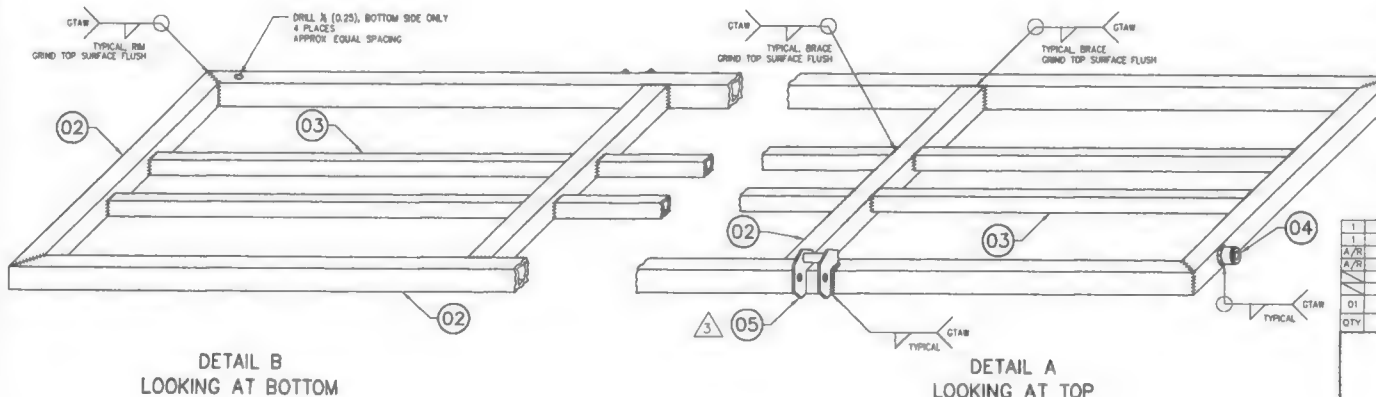
UNLESS OTHERWISE SPECIFIED	UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES	DIMENSIONS ARE IN INCHES
TOLERANCES ON:	TOLERANCES ON:
DECIMALS	ANGLES
XXX ±0.010	±1/2°
XX ±0.03	
X ±0.1	

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REV	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL RELEASE - CREATED FROM 94612		
1	TITLE BLOCK UPDATED, WELDING NOTES, HANDLE PROV. P/N, BUMPER HOLES	BJC	20/08/2014



01 BASKET LID ASSEMBLY
RIGHT HAND ASSEMBLY SHOWN, LEFT HAND OPPOSITE

1. REMOVE ALL BURRS AND BREAK SHARP EDGES
2. WELDING OF 4130 STEEL TO BE COMPLETED BY GTAW METHOD TO AWS 2885C. 4130 AND 1018 STEEL: WELDING ROD SHALL CONFORM TO ER70S-2 OR EQUIVALENT STAINLESS AND 4130 STEEL: WELDING ROD SHALL CONFORM TO ER308L OR EQUIVALENT.
3. INSTALL ITEM 5 (LID HANDLE PROVISIONS ASSEMBLY) IN ACCORDANCE WITH AERO DESIGN LTD. DRAWING 84283
4. TYP. 2 PLACES. NOTE BRACKET MODIFICATION SHOWN IN DETAIL C
5. VENT 0.5" TUBES BY DRILLING #50 HOLE INTO 0.75" TUBES WHERE IT WILL BE COVERED BY THE 0.5" TUBE
6. THOROUGHLY CLEAN AND POWDER COAT BASKET SUB-ASSEMBLIES PRIOR TO ASSEMBLY.



1	84263-01	05	LID HANDLE PROVISIONS ASSEMBLY				
1	49216-01	04	SPACER				
A/R	--	03	TUBE	4130 STEEL, COND N	MIL-T-6736	0.5 x 0.035 SQ. TUBE	
A/R	--	02	TUBE	4130 STEEL, COND N	MIL-T-6736	0.75 x 0.035 SQ. TUBE	
	95912-01-02	01	LH BASKET LID ASSEMBLY				
	95912-01-01	01	RH BASKET LID ASSEMBLY				
QTY	PART NO	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE	
LIST OF MATERIALS							
APPROVALS				DATE			
DRAWN: JEFF CLARKE				11 SEPT 2012			
CHECKED: E. BURGON				10 NOV 2012			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON:							
DECIMALS				ANGLES			
X.XXX ±0.010				±1/2°			
X.XX ±0.03							
X.X ±0.1							
SCALE 1:4				DWG SIZE			
SHEET 1 OF 1				REV			
A1				95912			
				1			



AERO DESIGN LTD.

8888A MALASPINA ROAD
POWELL RIVER, BC, CANADA, V8A 0G3
TEL: 800 485 8375 www.aerodesign.ca

BELL 429
QUICK RELEASE CARGO BASKET
BASKET LID ASSEMBLY

SCALE 1:4
A1 95912 1

(10 of 20)

WO#
2014-43

Mat. Po#
13050



(02) BUSHING
(10)

either make this dim. smaller
or mating part bore larger

Mat. Po#
13050



(01) BUSHING
(20)

NOTES

1. REMOVE ALL BURRS AND BREAK SHARP EDGES.

10
20

2
4

4	95922-02	02	BUSHING	BRASS	ASTM B927	0.375 ROD
2	95922-01	01	BUSHING	BRASS	ASTM B927	0.438 ROD
	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
QTY						
LIST OF MATERIALS						
APPROVALS			DATE			
DRAWN: JEFF CLARKE			12 SEPT 2012			
CHECKED: E. BURGOIN			10 NOV 2012			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2° X.XX ±0.03 X.X ±0.1			AERO DESIGN LTD. CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 360M 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 tel: (403) 250-9087 fax: (403) 250-9333 www.aerodesign.ca			
BELL 429 QUICK RELEASE CARGO BASKET BUSHINGS FABRICATION			SCALE 1 : 1 DWG. NO. A3 95923 REV. 0			
SHEET 1 OF 1						

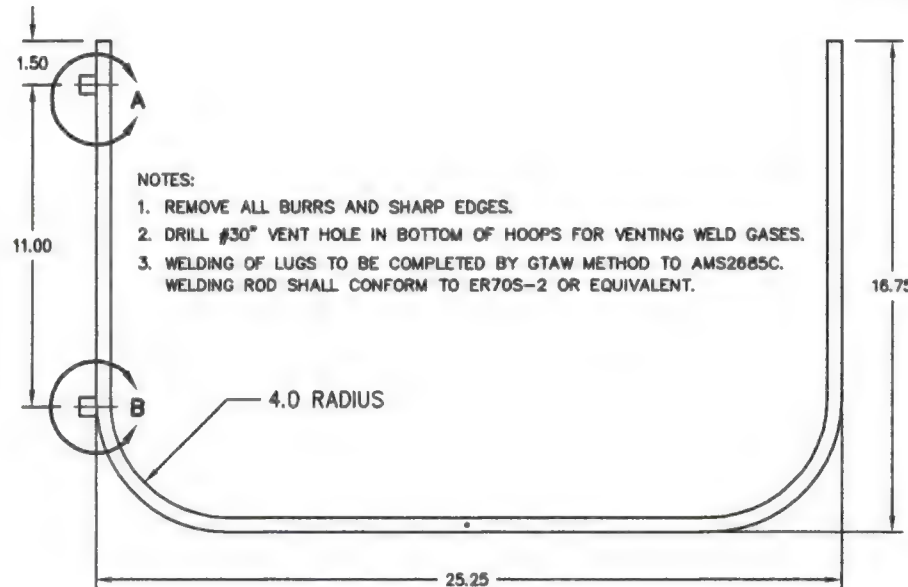
10 parts

2014-43

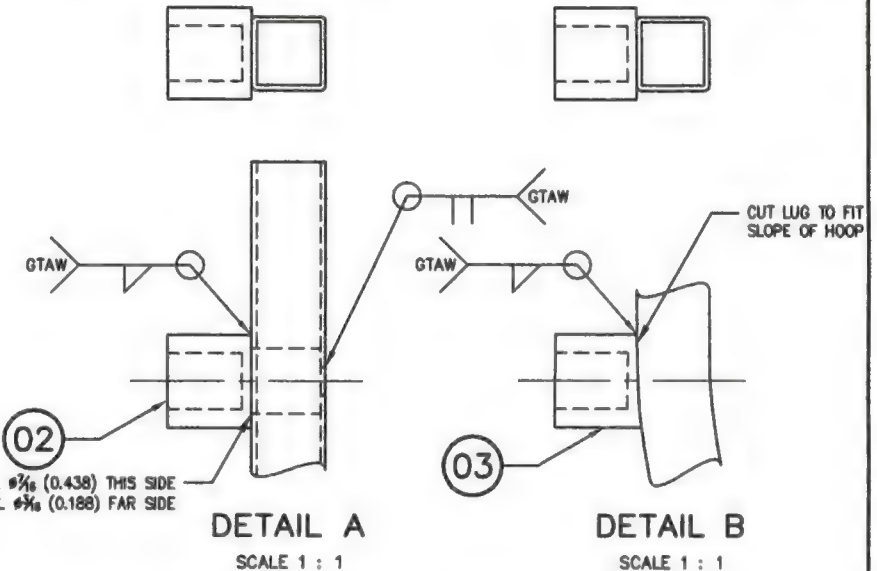
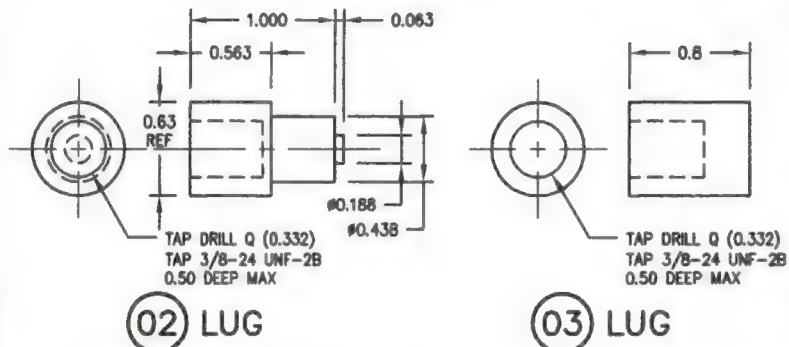
~~1 1/16"~~ drill depth

$1\frac{3}{16}"$

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0			
1	TITLE BLOCK UPDATED	BJC	20/02/2014

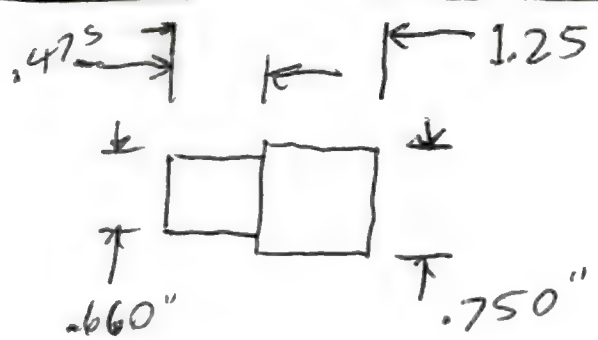


01 FORWARD HOOP

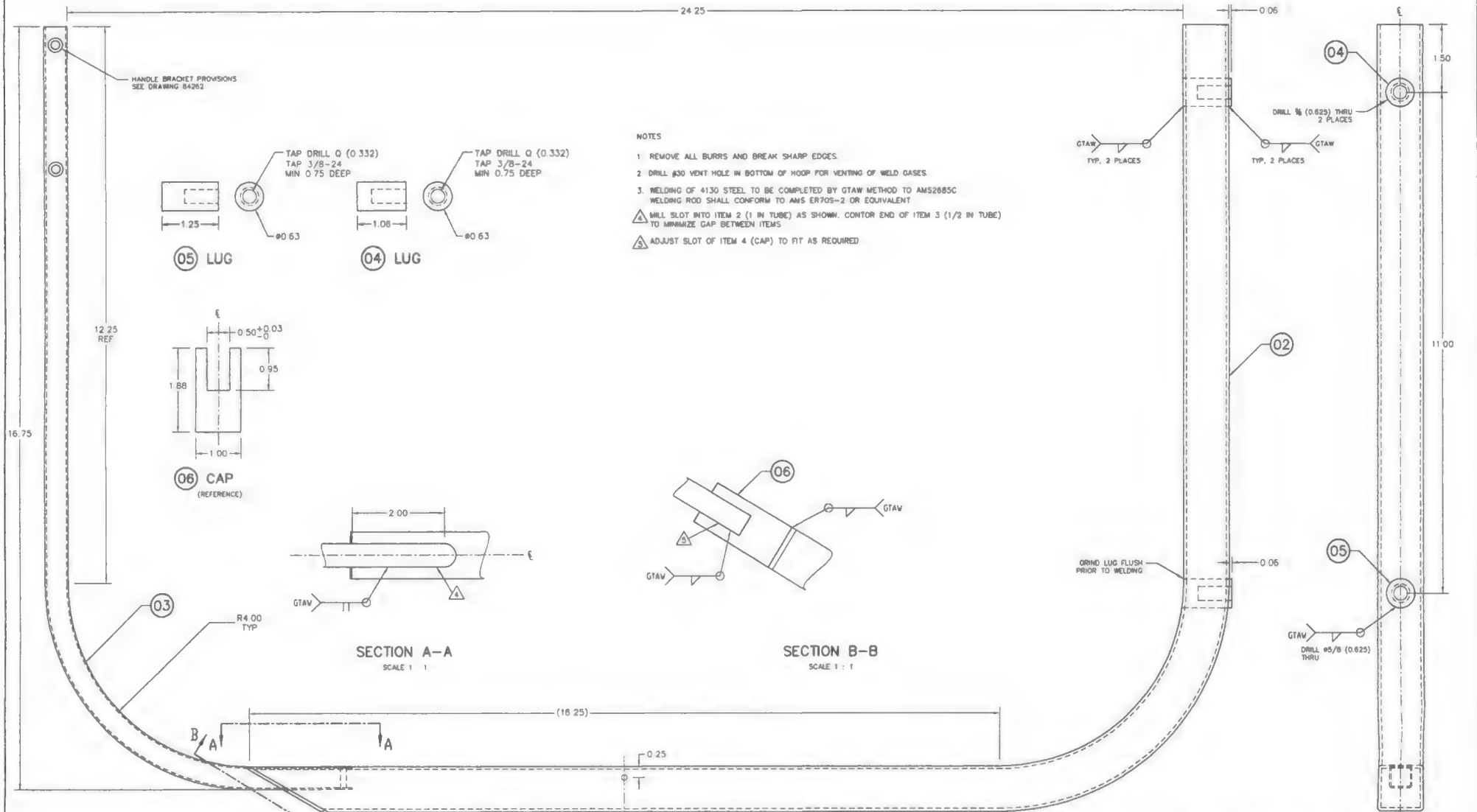


QTY	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
1	95925-03	03	LUG	1018 MILD STEEL	ISI 1010/1020	5/8 ROD
1	95925-02	02	LUG	1018 MILD STEEL	ISI 1010/1020	5/8 ROD
	95925-01	01	FORWARD ATTACHMENT HOOP	4130 STEEL COND. N	MIL-T-6736	1/2 x 0.035 SQR. TUBE

APPROVALS	DATE	AERO DESIGN LTD.			
DRAWN: JEFF CLARKE	12 SEPT 2012	9888A MALASPINA ROAD			
CHECKED: E. BURGAIN	10 NOV 2012	POWELL RIVER, BC, CANADA, V8A 0G3			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.		TEL: 604.483.2376 www.aerodesign.ca			
TOLERANCES ON:		BELL 429 - S/N 57001 THRU 57080			
DECIMALS		QUICK RELEASE CARGO BASKET			
X.XXX ±0.010		FORWARD ATTACHMENT HOOP			
X.XX ±0.03		SCALE 1 : 5			
X.X ±0.1		SHEET 1 OF 1			
ANGLES		DWG. SIZE			
±1/2°		DWG. NO.			
		REV.			
		LGL 95925			
		1			



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REV	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	TITLE BLOCK UPDATED. HANDLE PROVISIONS ADDED	BUC	20 FEB 2014



01 ATTACHMENT HOOP ASSEMBLY

QTY	PART NO	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
1	84262-01	07	BASKET HANDLE PROVISIONS	1018 MILD STEEL	AMS 1010/1020	0.032-0.050 SHEET
1	76423-04	06	CAP	1018 MILD STEEL	AMS 1010/1020	3/8 DIA ROD
1	95926-05	05	LUG	1018 MILD STEEL	AMS 1010/1020	3/8 DIA ROD
1	95926-04	04	LUG	4130 STEEL COND N	MIL-T-6736	1/2 x 0.035 SQR TUBE
A/R		03	TUBE 1/2IN	4130 STEEL COND N	MIL-T-6736	1 x 0.085 SQR TUBE
A/R		02	TUBE 1IN	4130 STEEL COND N	MIL-T-6736	1 x 0.085 SQR TUBE
	95926-01	01	ATTACHMENT HOOP ASSEMBLY			

APPROVALS		DATE
DRAWN: JEFF CLARKE		12 SEPT 2012
CHECKED: E. BURGON		10 NOV 2012

AERO DESIGN LTD.

8888A MALASPINA ROAD
POWELL RIVER, BC, CANADA, V8A 0G3
TEL: 250 486 9370 www.aerodesign.ca

BELL 429

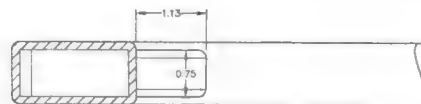
QUICK RELEASE CARGO BASKET

ATTACHMENT HOOP FABRICATION

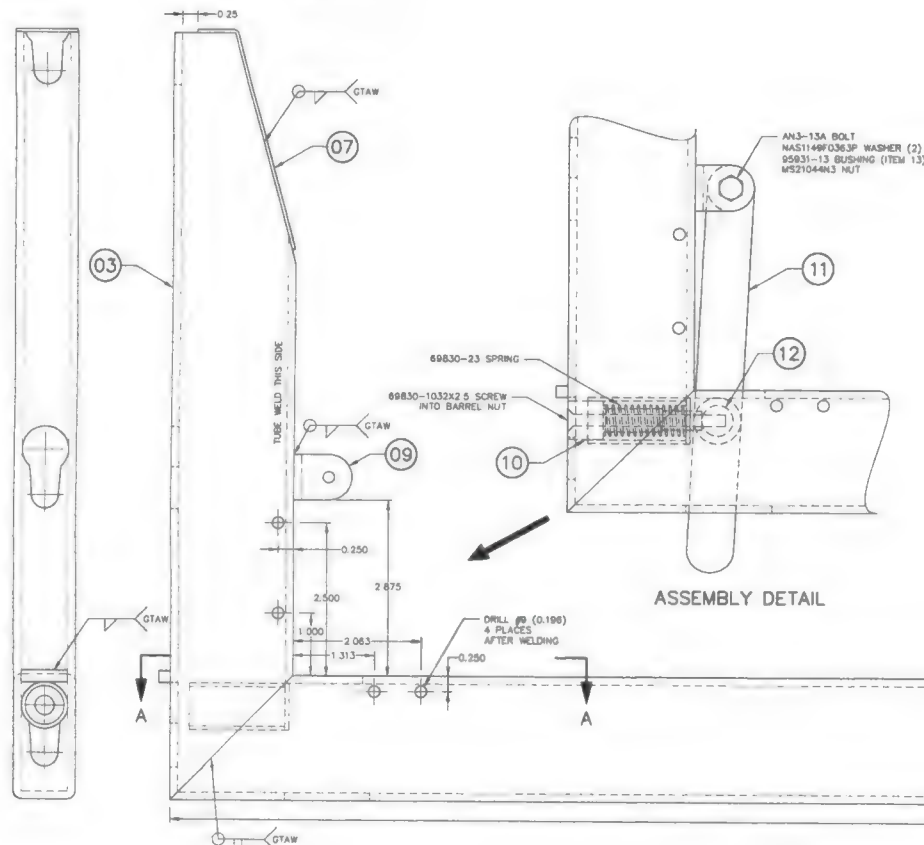
SCALE 1:1	DWG SIZE	DWG NO	REV
SHEET 1 OF 1	A1	95926	1

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
DECIMALS: X.XXX ±0.010
X.XX ±0.03
X.X ±0.1
ANGLES: ±1/2°

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REV	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	TITLE BLOCK UPDATED; CORRECTED MATERIAL OF ITEM 08; ALT. FINISH ADDED	BJC	11/04/2014



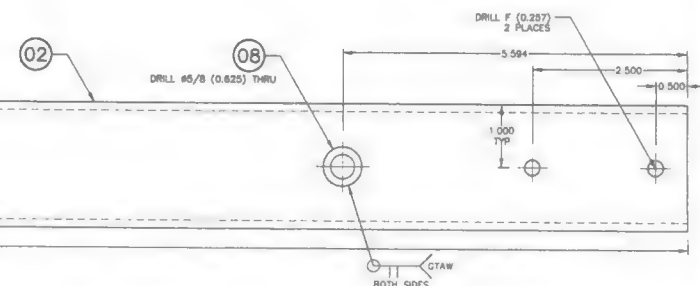
SECTION A-A



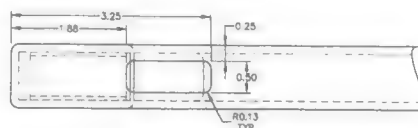
ASSEMBLY DETAIL

NOTES

1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
2. TIGHTEN #10-32 SCREW TO 20-25 INCH-POUNDS.
3. WELDING OF 304 STAINLESS STEEL TO BE COMPLETED BY GTAW METHOD TO AMS2885C. WELDING ROD SHALL CONFORM TO ER308L OR EQUIVALENT.
4. THOROUGHLY DEGREASE, ALODINE, EPOXY PRIME AND POLYURETHANE PAINT ALL ALUMINUM PARTS PRIOR TO ASSEMBLY. ALTERNATE: ALUMINUM PARTS TO BE ANODIZED IN ACCORDANCE WITH MIL-A-8825F, TYPE II.
5. THOROUGHLY DEGREASE AND POWDER COAT ALL STEEL PARTS AFTER WELDING. ALTERNATE: THOROUGHLY DEGREASE, EPOXY PRIME AND POLYURETHANE PAINT ALL STEEL PARTS AFTER WELDING.



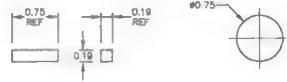
01 AFT BEAM ASSEMBLY



QTY	QTY	QTY	QTY	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
1				69830-23	SPRING				
2				69830-1032X2.5	SCREW				
1				MS21044N3	NUT				
2				NAS1149D0363P	WASHER				
1				AN3-13A	BOLT				
1				3581-3CN281	SELF-LOCKING THREAD INSERT	HELICOIL			
1				95931-13	BUSHING	BRASS	ASTM B927	#0.313 ROD	
1				95931-12	BARREL NUT	BRASS	ASTM B927	#0.5 ROD	
1				95931-11	LEVER	8081-T6 ALUMINUM	QQ-A-200/8	1 X 1 BAR	
1				95931-10	STOP	8081-T6 ALUMINUM	QQ-A-200/8	#0.825 ROD	
1				95931-09	TAB	304 STAINLESS STEEL	ASTM A554	1 X 2 X 0.125 TUBE	
1				95930-08	BUSHING	316 STAINLESS STEEL	ASTM A269	#0.825 X 0.120 TUBE	
1				95931-07	CAP	304 STAINLESS STEEL	AMS 5513	0.050 SHEET	
1				95931-06	BLOCK	304 STAINLESS STEEL	ASTM A479	0.75 X 0.188 BAR	
1				95931-05	CAP	304 STAINLESS STEEL	AMS 5513	0.050 SHEET	
1				95931-04	GUIDE	316 STAINLESS STEEL	ASTM A269	#0.75 X 0.065 TUBE	
1				95931-03	DOWN TUBE	304 STAINLESS STEEL	ASTM A554	1 X 2 X 0.125 TUBE	
1				95931-02	TUBE	304 STAINLESS STEEL	ASTM A554	1 X 2 X 0.125 TUBE	
12	04	03	01	95931-01-00	01 AFT BEAM ASSEMBLY				
LIST OF MATERIALS									

APPROVALS	DATE	AERO DESIGN LTD.	
DRAWN: JEFF CLARKE	05 SEPT 2012	9688A MALASPONA ROAD	
CHECKED: E. BURGON	10 NOV 2012	POWELL RIVER, BC, CANADA, V8A 0G3	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:		BELL 429 - S/N 57001 THRU 57080	
DECIMALS		QUICK RELEASE CARGO BASKET	
X.00X ±0.010		AFT BEAM FABRICATION	
X.00X ±0.03		SCALE 1:1	
X.X ±0.1		SHEET 1 OF 2	
		REV	
		A1 95931 1	

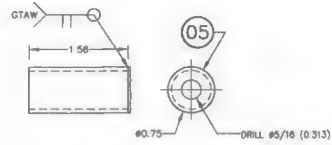
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REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	TITLE BLOCK UPDATED; CORRECTED MATERIAL ITEM 06, UPPER KEYWAY ITEM 03	BUC	11/04/2014



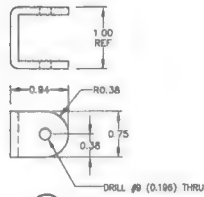
06 BLOCK



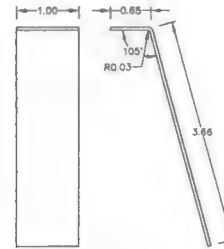
05 CAP



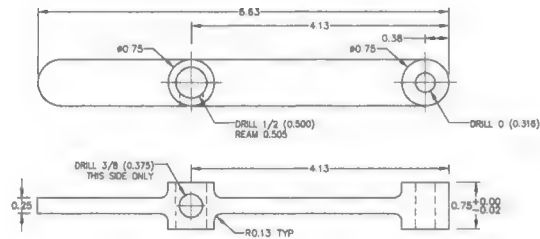
04 GUIDE



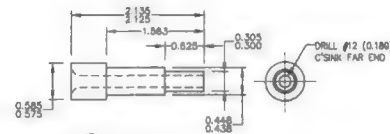
09 TAB



07 CAP



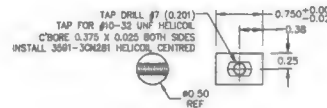
11 LEVER



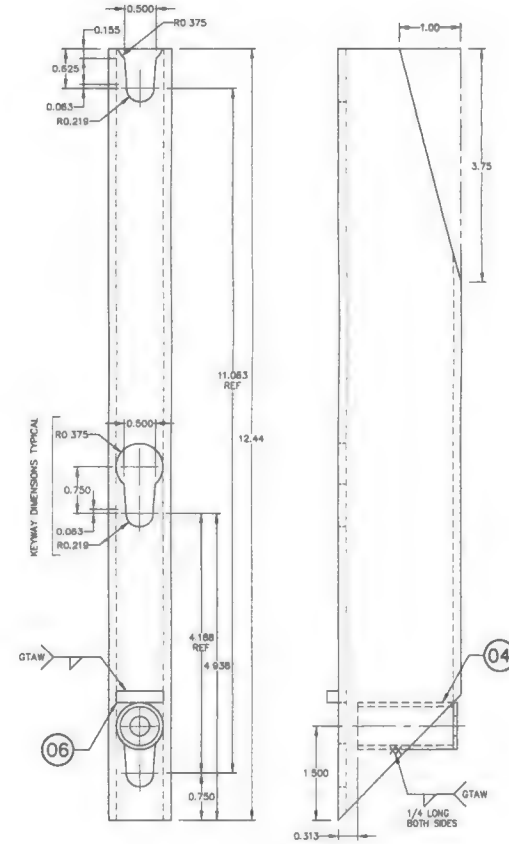
10 STOP



13 BUSHING



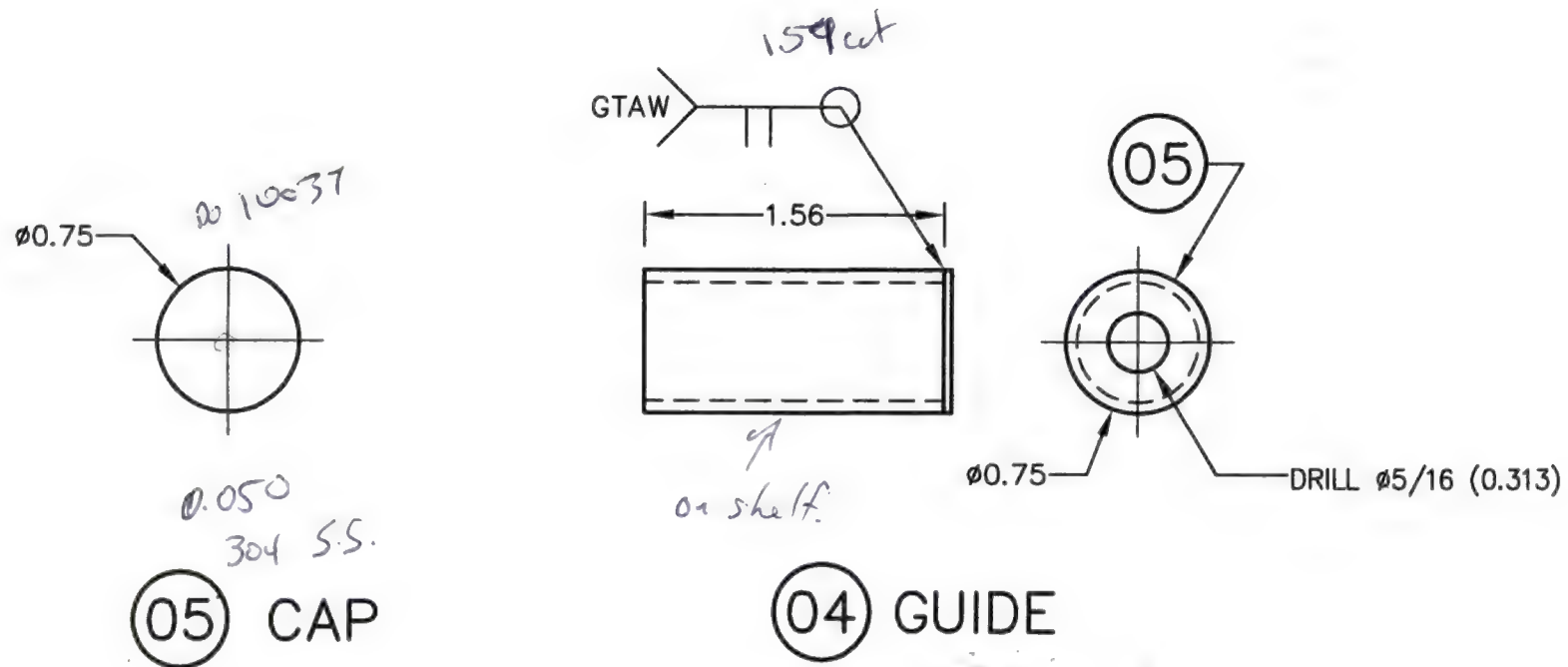
12 BARREL NUT



03 DOWN TUBE

APPROVALS		DATE	 AERO DESIGN LTD. 9008A MALASPINA ROAD POWELL RIVER, BC, CANADA, V1B 0G8 TEL: 804-486-8978 www.aerodesign.ca	
DRAWN:	JEFF CLARKE	05 SEPT 2012		
CHECKED:	E. BURGOIN	10 NOV 2012	BELL 429 - S/N 57001 THRU 57080 QUICK RELEASE CARGO BASKET AFT BEAM FABRICATION	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:				
DECIMALS	ANGLES		SCALE 1 : 1 SHEET 2 OF 2	
X.XXX ±0.010	±1/2°			
X.XX ±0.03				
X.X ±0.1				
			DRAWN: REV	
			A1	95931
				1

B429 Guide.



X1



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REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	TITLE BLOCK UPDATED; ADDRESS, LOGO AND S/N UPDATED	BJC	11/03/2014

NOTES

- ENGRAVE 0.007 DEEP AS FOLLOWS:
"QUICK RELEASE BASKET" - 0.125 HIGH
"BELL 429" - 0.080 HIGH
"S/N 959YY-XX" - 0.080 HIGH - (SEE NOTES 2-5)
"MAXIMUM PERMISSIBLE LOAD" - 0.125 HIGH
"300 LBS. TOTAL" - 0.200 HIGH
"AERO DESIGN LTD." - 0.125 HIGH
"POWELL RIVER, BC, CANADA" - 0.080 HIGH
"www.aerodesign.ca" - 0.080 HIGH
- ITEM 01: RH BASKET FOR A/C S/N THRU 57080, S/N TO READ:
"S/N 95901-XX" - 0.080 HIGH
- ITEM 02: LH BASKET FOR A/C S/N THRU 57080, S/N TO READ:
"S/N 95902-XX" - 0.080 HIGH
- ITEM 03: RH BASKET FOR A/C S/N 57081 AND SUB, S/N TO READ:
"S/N 95911-XX" - 0.080 HIGH
- ITEM 04: LH BASKET FOR A/C S/N 57081 AND SUB, S/N TO READ:
"S/N 95912-XX" - 0.080 HIGH


DRILL #30 (0.129)
4 PLACES



01 02 03 04 PLACARD

1	95927-04	04	LH PLACARD	6061-T6 ALUMINUM	QQ-A-250/11	0.050 SHEET
1	95927-03	03	RH PLACARD	6061-T6 ALUMINUM	QQ-A-250/11	0.050 SHEET
1	95927-02	02	LH PLACARD	6061-T6 ALUMINUM	QQ-A-250/11	0.050 SHEET
1	95927-01	01	RH PLACARD	6061-T6 ALUMINUM	QQ-A-250/11	0.050 SHEET
	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE

QTY	LIST OF MATERIALS
-----	-------------------

	APPROVALS	DATE		AERO DESIGN LTD. 9888A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 804.483.2376 www.aerodesign.ca			
	DRAWN: JEFF CLARKE	11 SEPT 2012					
	CHECKED: E. BURGON	10 NOV 2012					
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2" X.XX ±0.03 X.X ±0.1			BELL 429 QUICK RELEASE CARGO BASKET PLACARD			
			SCALE 1 : 1	DWG. SIZE A1	DWG. NO. 95927	REV. 1	
			SHEET 1 OF 1				



Aero Design Ltd.
604-483-AERO (2376)

9888A Malaspina Road
Powell River, BC, Canada, V8A 0G3

PACKING SLIP
07 July 2014

Quantity Ordered	Quantity Shipped	Part Number	Description	
1	1	95930-01-01	Forward Beam, Right Hand	
1	1	95931-01	Aft Beam	
4	4 ✓	95922-01	Plate _____	wo 2014-43
4	4 ✓	95922-02	Plate _____	
4	4 ✓	95923-01	Bushing _____	
2	2 ✓	95923-02	Bushing _____	
2	2 ✓	NAS6603-10	Bolt _____ PO 14049	
4	4 ✓	NAS6603-13	Bolt _____ 14049	
2	2 ✓	NAS6603-15	Bolt _____ 14049	
4	4 ✓	AN3-6A _____	Bolt _____ 11088	
8	8 ✓	AN3-15A	Bolt _____ 13084	
36	36 ✓	NAS1149F0332P	Washer 40-_____ 11088 40 ✓	
4	4 ✓	NAS1149F0363P	Washer _____ 12081	
20	20 ✓	MS21044N3	Nut _____ 13083	
6	6 ✓	AN4-16A	Bolt _____ 8027	
12	12 ✓	NAS1149F0463P _____	Washer _____ 13048	
6	6 ✓	MS21044N4 _____	Nut _____ 12067	
1	1	96901-01-01	Fixed Cabin Step Installation, Right Hand, Bell 429, S/N 57001 - 57080	
1	1	96910-01	Step Assembly	
4	4 ✓	AN4-14A	Bolt _____ 13048	
8	8 ✓	NAS1149F0463P _____	Washer _____ 13048	
4	4 ✓	MS21044N4 _____	Nut _____ 12067	
1	1	96902-01-01	Quick Release Cabin Step Installation, Right Hand, Bell 429, S/N 57001 - 57080	
1	1	95911-01	Step Assembly	

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No.	
4. Organization Name and Address Aero Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO2014-43	
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work New	
1.	RH Basket Assembly	95910-01-01	1	95901-02		
2.	Forward Beam Assembly	95930-01-01	1	N/A		
3.	Aft Beam Assembly	95931-01-00	1	N/A		
4.	Forward Fitting	95920-01	2	N/A		
5.	Aft RH Fitting	95921-01	1	N/A		
6.	Aft LH Fitting	95921-02	1	N/A		
7.	Plate	95922-01	4	N/A		
8.	Plate	95922-02	4	N/A		
9.	Bushing	95923-01	4	N/A		
10.	Bushing	95923-02	2	N/A		
12. Remarks						
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.				<div style="border: 1px solid black; padding: 5px;"> 14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations. </div>		
13b. Signature 		13c. Approved Organization Number AMF 73-04		14b. Signature		14c. Approved Organization Number
13d. Name Jeff Clarke – AD02		13e. Date (dd/mmm/yyyy) 07 July 2014		14d. Name		14e. Date (dd/mmm/yyyy)
Installer Responsibilities						
This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.						

Be11



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AFT FITTING RH (B42F) No. of pieces: 1

Manufacturer: AERO DESIGN LTD.

Part No.: 95921-01 Serial / Batch No.: PO 9003

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: _____

Remaining Tasks to be Performed: PREP AND PAINT

Signature: JH Ock.

Date: 04 JUNE 2014 Lic. No. / ACA AD02

In Process



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AFT FITTING LH (B429) No. of pieces: 1

Manufacturer: AERO DESIGN LTD.

Part No.: 95921-02 Serial / Batch No.: P09003

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: _____

Remaining Tasks to be Performed: PREP AND PAINT

Signature: [Signature]

Date: 04 JUNE 2014 Lic. No. / ACA AD02

In Process

Aero Design.

CUSTOMER

33

QUANTITY

OCEANVIEW HELICOPTERS LTD.

7490 Duncan Street, Powell River, B.C., Canada V8A 1W7

Ph: (604) 485-7135 Fax: (604) 485-7460

NOMENCLATURE Rivets

PART No. CR3213PR-S-02 SERIAL NUMBER N/A

MANUFACTURER CHERRY TYPE/MODEL NA

T.SN. 0. T.S.O. ✓ TOTAL CYCLES _____ TE/RINS _____

NEW _____ OVERHAULED _____ REPAIRED _____

PREVIOUS CERTIFICATION P.O. 4725 (TN 26705)

"The Signatory indicates by signing this tag that the product and accompanying documentation meet the requirements of the Oceanview Helicopters Ltd. Detailed Procedures Manual acceptance inspection for which Transport Canada approval No. 94-01 has been granted."

DATE Sept 4/14 AME OR AUTHORIZED INSPECTOR [Signature] LIC. No./STAMP M420934

Details of outstanding work and other information on reverse.

PREVIOUS CERTIFICATION

REMARKS

(Details of work performed/reason for removal)

(Additional work to be performed upon installation)

INSTALLED ON _____ DATE _____

W/O _____ S/N REMOVED _____

PREVIOUS CERTIFICATION